

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052220\
 Data File : VW015447.D
 Acq On : 22 May 2020 10:24
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: May 23 03:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 11 03:32:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380360	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166890	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98615	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.90	69	94902	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.76%
10) 1,1-Dichloroethene-d2	4.01	63	217665	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.96%
20) 2-Butanone-d5	7.07	46	66340	52.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.38%
24) Chloroform-d	7.65	84	222878	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.31	65	127705	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.92%
29) Benzene-d6	8.27	84	429917	22.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.92%
33) 1,2-Dichloropropane-d6	9.27	67	129799	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.56%
37) Toluene-d8	10.32	98	408883	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.88%
38) trans-1,3-Dichloropropene-	10.58	79	60304	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	10.93	63	53535	50.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106082	24.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	137705	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	50480	15.123	ug/L 100
3) Chloromethane	2.21	50	64761	18.131	ug/L 97
5) Vinyl chloride	2.37	62	119483	21.529	ug/L 97
6) Bromomethane	2.79	94	75322	19.727	ug/L 99
8) Chloroethane	2.93	64	77054	20.772	ug/L 100
9) Trichlorofluoromethane	3.26	101	95783	23.674	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	105702	23.448	ug/L 98
12) 1,1-Dichloroethene	4.04	96	103635	22.716	ug/L 84
13) Acetone	4.12	43	65685	68.241	ug/L 98
14) Carbon disulfide	4.38	76	305706	21.573	ug/L 100
15) Methyl Acetate	4.67	43	53458	25.392	ug/L 99
16) Methylene chloride	4.91	84	106780	19.602	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	192630	25.971	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	111367	22.651	ug/L 99
19) 1,1-Dichloroethane	6.21	63	208512	22.518	ug/L 98
21) 2-Butanone	7.17	43	79744	55.105	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	121859	22.997	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	54049	24.473	ug/L	95
25) Chloroform	7.68	83	213768	23.350	ug/L	100
27) 1,2-Dichloroethane	8.40	62	150708	24.193	ug/L	99
30) Cyclohexane	7.95	56	201550	22.286	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	190500	24.551	ug/L	99
32) Carbon tetrachloride	8.07	117	170198	24.103	ug/L	100
34) Benzene	8.32	78	463899	22.934	ug/L	100
35) Trichloroethene	9.09	95	123679	22.817	ug/L	98
36) Methylcyclohexane	9.34	83	218995	22.753	ug/L	98
40) 1,2-Dichloropropane	9.37	63	114761	22.702	ug/L	99
41) Bromodichloromethane	9.65	83	157630	23.623	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	190980	23.395	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	158921	46.922	ug/L	99
44) Toluene	10.39	91	508949	23.022	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	170492	23.965	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	87903	24.803	ug/L	98
47) Tetrachloroethene	10.87	164	97818	24.055	ug/L	97
49) 2-Hexanone	10.97	43	113609	53.237	ug/L	99
50) Dibromochloromethane	11.13	129	105184	24.533	ug/L	99
51) 1,2-Dibromoethane	11.24	107	85233	25.202	ug/L	97
52) Chlorobenzene	11.66	112	320007	22.944	ug/L	99
53) Ethylbenzene	11.73	91	590430	22.900	ug/L	98
54) m,p-Xylene	11.84	106	222755	23.126	ug/L	100
55) o-xylene	12.16	106	212239	22.903	ug/L	100
56) Styrene	12.18	104	360052	22.757	ug/L	99
57) Isopropylbenzene	12.46	105	596242	23.292	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	107279	25.447	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	81792	25.544	ug/L	100
62) Bromoform	12.35	173	62597	25.396	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	243683	22.963	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	245977	23.282	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	220089	23.576	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19677	26.151	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	173394	23.763	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	144632	24.005	ug/L	98
69) Naphthalene	15.36	128	286361	25.327	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	123318	23.757	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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